

Date: Thu, 21 Jul 94 16:39:12 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #823
To: Info-Hams

Info-Hams Digest Thu, 21 Jul 94 Volume 94 : Issue 823

Today's Topics:

Deciphering Motorola (was: Re: 70cm band)
Elmers, please read
Elmers, please read (Re: CW)
Experience with R7
HELP! Whats up with c
IPS Daily Report - 20 July 94
Is there an ATV newsgroup?
Kenwood phone patch Controller ??
License Recieved!!
NEED/WANT your Opinion
New England Repeaters (2 msgs)
QST on News Stands?
ROHN tower info, please
Sister-in-law gets license quickly

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 20 Jul 94 16:47:07
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!math.ohio-state.edu!
magnus.acs.ohio-state.edu!csn!news.usafa.af.mil!usafa2!jcmiller@network.ucsd.edu
Subject: Deciphering Motorola (was: Re: 70cm band)
To: info-hams@ucsd.edu

In article <qo6NPc3w165w@earltdom.sacbbx.com> jre@earltdom.sacbbx.com (Jim Earl)
writes:

To put up your own repeater, I'd recommend getting a Motorola Micor mobile. They can be had for as little as \$10 (or as much as \$100). Very easy to convert into a repeater. If you can't afford a duplexer, just run two antennas (one for the tx, one for the rx). After it is up a while, people will start popping on, and you'll make friends and supporters in no time. I did that here in Sacramento. The hardest part is getting a site for the repeater. It can be done at no cost, but will take some ingenuity.

This brings up a point I've been meaning to ask about for quite some time. I've been a ham for years, and have heard many references to different Motorola radio models and/or alphanumeric codes. Does anyone out there have a cross-reference list, pointers to a FAQ, etc., which tell what models cover what bands? More importantly, how do I decode the alphanumeric codes to figure out what band a particular Motorola rig I might run across at a hamfest covers?

Thanks es 73,

Jeff

--

Jeff Miller, NH6ZW/N0, AFA5MJ/AFF5CO (ex WD6CQV, AFA1DO, AFA8JM, AFA1HE)
USAFAnet Manager and General Troubleshooter [jcmiller@gems.usafa.af.mil] or
HQ USAF/DFYC, USAF Academy, CO 80840 [millerjc%dfyc@dfmail.usafa.af.mil]
55: It's not a good idea, it's just the law. E-mail for NMA info.

Date: Thu, 21 Jul 1994 08:44:54 GMT
From: panix!ddsw1!indep1!clifto@uunet.uu.net
Subject: Elmers, please read
To: info-hams@ucsd.edu

In article <SR0.94Jul19225525@media-lab.media.mit.edu> sro@media.mit.edu (Shawn O'Donnell) writes:

>How come there's no Q-signal, like QFS, for "Your fist sucks/Does my
>fist suck?" I bet I'm not alone in having blamed QRN, QRM & QSB for

What about QLF ("Try sending with your LEFT foot now.")?

--

| | |
|-------------------------|--|
| | Optimists say, "The glass is half full." |
| Cliff Sharp | Pessimists say, "It's half empty." |
| WA9PDM | We realists say, "Before I decide, |
| clifto@indep1.chi.il.us | tell me what's in the glass." |

Date: 20 Jul 1994 23:57:36 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!spool.mu.edu!news.clark.edu!
netnews.nwnet.net!news.u.washington.edu!cummings@network.ucsd.edu
Subject: Elmers, please read (Re: CW)
To: info-hams@ucsd.edu

One thing that's important in teaching beginners a decent fist is making sure they have a decent key and a place where they can rest their arm properly. I lost my paddle (don't ask), and have been struggling with a really lousy, cheap old straight key, and I've definitely been running QFS (man, I _love_ that Q-signal. How do we make it 'official'?). I've given up until I can replace my paddle. Too embarrassing.

--

Mike Cummings NX7E cummings@u.washington.edu
"Like jewels in a crown, the precious stones glittered in the Queen's round metal hat." - Jack Handey

Date: Wed, 20 Jul 1994 20:30:56 GMT
From: fluke!chuckb@beaver.cs.washington.edu
Subject: Experience with R7
To: info-hams@ucsd.edu

In article <3071fg\$228@rigel.infinet.com> psgeorge@infinet.com (Paul S. George) writes:

>Could anyone tell me what kind of symptoms you would see with a "blown"
>trap? I have one that is acting a little strange right now (basically,
>a lack of reception across the bands... the radio is fine). I put an
>ohm meter across the coax feed line from the antennae (disconnected from
>the radio, of course) and it appears to be a short. I wouldn't have
>thought that it should look like this. However, I'm not sure what the
>traps will do. I thought that they were supposed to "trap" electrically
>the length of the antennae at the given frequencies. With an ohm meter
>which uses a DC voltage, would the antennae appear as a short to ground?
>Thanks for any information!
>

A dc short across the antenna input is normal. When I blew my R7 20 meter trap it failed due to arcing between the capacitor plates. The trombone like device is a capacitor with the u-shaped rod slider as one plate and the tubes as the other. There is teflon dielectric. The teflon (or possibly nylon) insulation gave out and caused a short.

You can check each trap individually with an ohmmeter. You don't have to dissassemble the antenna. Just make sure each u-shaped rod is isolated from

the rest of the antenna.

There is also a very small capacitor in the tuning unit box that can fail. If it does, it is quite obvious. JUst open the box and look for a vaporized component. (I had smoke pouring out of the box when this happened to me.)

--

Chuck Bowden / WB7R / chuckb@tc.fluke.com / (206) 356-6228
Fluke Corporation / MS 232E / PO Box 9090 / Everett WA 98206-9090

Date: Wed, 20 Jul 1994 22:35:00 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!news1.oakland.edu!
condor.ic.net!ucath!eric.bader@network.ucsd.edu
Subject: HELP! Whats up with c
To: info-hams@ucsd.edu

=> Quoting Juste001@maroon.Tc.Umn. in a message to All <=

JJ>From: Jim Justen <juste001@maroon.tc.umn.edu>
JJ>Newsgroups: rec.radio.amateur.misc
JJ>Subject: HELP! Whats up with callsign server
JJ>Date: Wed, 20 Jul 1994 03:42:40 GMT
JJ>Message-ID: <Ct7zLD.9on@news.cis.umn.edu>
JJ>Organization: Human Ear/Im digital & photo
JJ>
JJ>I hope this is the right place to post this...
JJ>Ive only had reason to telnet into the various callsign servers once
JJ>or twice...I never had a problem before
JJ>BUT now when I try any of the three I know of (Buffalo, pc.usl, and
JJ>ns.risc)the gateway opens but nothing else...Ive waite as much as an
JJ>hour, and tried around the clock for two days.
JJ>Is there a new address or other route??
JJ>Thanks for any advice you might offer!

I just tried callsign.cs.buffalo.edu 2000 and pc.usl.edu 2000 and go thru pretty fast (instantaneously). As for ns.risc.net, I've tried various times over about a month and never got thru. I assume that callserver has been shut down.

ttyl, etb

--

=> eric.bader@totembbs.com | 1:2240/176 | ->5424 <=
... "Trouble with grammar have I, yes!" - Yoda

* TLX v4.00 *

___ Blue Wave/QWK v2.20f 386 Beta

Date: Wed, 20 Jul 1994 23:30:55 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!isclient.merit.edu!
msuinfo!harbinger.cc.monash.edu.au!news.cs.su.oz.au!metro!ipso!
rwc@network.ucsd.edu
Subject: IPS Daily Report - 20 July 94
To: info-hams@ucsd.edu

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 077/016

GOES satellite data for 19 Jul

Daily Proton Fluence >1 MeV: 1.3E+06

Daily Proton Fluence >10 MeV: 1.5E+04

Daily Electron Fluence >2 MeV: 9.9E+08

X-ray background: A3.4

Fluence (flux accumulation over 24hrs)/ cm2-ster-day.

1B. SOLAR FORECAST

| | 21 Jul | 22 Jul | 23 Jul |
|----------|---------------|---------------|---------------|
| Activity | Very low | Very low | Very low |
| Fadeouts | None expected | None expected | None expected |

Forecast 10.7 cm flux/Equivalent Sunspot Number for 21 Jul: 075/013

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: quiet to unsettled

| Estimated Indices : | A | K | Observed A Index 19 Jul |
|---------------------|----|-----------|-------------------------|
| Learmonth | 10 | 3232 3222 | |
| Fredericksburg | 05 | | 11 |
| Planetary | 08 | | 12 |

Observed Kp for 19 Jul: 3333 2223

2B. MAGNETIC FORECAST

| DATE | Ap | CONDITIONS |
|--------|----|--------------------|
| 21 Jul | 10 | Quiet to unsettled |
| 22 Jul | 10 | Quiet to unsettled |
| 23 Jul | 12 | Quiet to unsettled |

3A. GLOBAL HF PROPAGATION SUMMARY

LATITUDE BAND

| DATE | LOW | MIDDLE | HIGH |
|--------|--------|--------|--------|
| 20 Jul | normal | normal | normal |

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

LATITUDE BAND

| DATE | LOW | MIDDLE | HIGH |
|--------|--------|--------|------|
| 21 Jul | normal | normal | fair |
| 22 Jul | normal | normal | fair |
| 23 Jul | normal | normal | fair |

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

Observed

| DATE | T-index | MUFs |
|--------|---------|---|
| 20 Jul | 31 | Near predicted monthly values with spread F observed during local night hours. |

Predicted Monthly T-index for July: 30

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

| DATE | T-index | MUFs |
|--------|---------|-------------------------------|
| 21 Jul | 30 | Near predicted monthly values |
| 22 Jul | 30 | Near predicted monthly values |
| 23 Jul | 30 | Near predicted monthly values |

COMMENT: Possible spread F during night hours.

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| | |
|---|------------------------------|
| IPS Regional Warning Centre, Sydney | IPS Radio and Space Services |
| RWC Duty Forecaster tel: +61 2 4148329 | PO Box 5606 |
| Recorded Message tel: +61 2 4148330 | West Chatswood NSW 2057 |
| email: rwc@ips.oz.au fax: +61 2 4148331 | AUSTRALIA |

Date: 21 Jul 1994 08:23:03 -0400

From: newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@uunet.uu.net

Subject: Is there an ATV newsgroup?

To: info-hams@ucsd.edu

In article <30kne0\$7j7@news.tv.tek.com>, johnr@soul.tv.tek.com (John Reynolds) writes:

ATVQ, Amateur Television Quarterly is online as ATVQ@aol.com. Not usre if you might find some additional support from that fine magazine?

73 for now.... c u on the shortwaves
Terry Stader - KA8SCP
America Online Ham Radio Club Host
Mac Ham Radio Software List Maintainer
Internet: tstader@aol.com (files <28K) or
p00489@psilink.com (files >28K), ka8scp@amsat.org
KA8SCP@WA1PHY.#EMA.MA.USA.NOAM
ka8scp@ka8scp.ampr.org [44.56.4.82] Mac
ka8scp-1@ka8scp-1.ampr.org [44.56.4.120] DOS Clone

Date: 21 Jul 1994 09:24:14 GMT
From: agate!howland.reston.ans.net!EU.net!news.forth.gr!helios.intranet.gr!
phaethon!demetre@ames.arpa
Subject: Kenwood phone patch Controller ??
To: info-hams@ucsd.edu

CQ Netters...

Does anyone have any idea what the Kenwood phone patch controller does ??
I tried to get info and data from the local dealer with very little success :-(
Is this phone patch controller anything like the usual phone patches (dtmf dialing, pulse/tone selectable, etc.) ??

73's

Date: 20 Jul 1994 22:13:40 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!gumby!wupost!
bigfoot.wustl.edu!cec3!j1w3@network.ucsd.edu
Subject: License Recieved!!
To: info-hams@ucsd.edu

Joseph J. Keenan Jr (joekeen@delphi.com) wrote:
: Paul Bourque <bourque_par@ccsua.ctstateu.edu> writes:
:
: >Took Technician Test: April 10
: >License Issued: July 8
: >License Mailed: July 12
: >Recieved in Mail: July 13.
: >
: >Total Time: 13 Weeks, 4 Days.
:
: Paul: Copngratulations! You are lucky...most people are waiting seventeen

: weeks now. I have been waiting for 6 weeks so far, and goodness knows how much
: longer it will be. What kind of equipment/bands are you know using?

Hee he. . .

Took Technician-plus test. 12-23-93
Mailed to FCC 12-29-93
a VE screwed up somewhere. ??-??-??
610 sent to FCC attorneys ??-??-??
610 sent to FCC to process 03-24-94
FCC grants license, mails 06-22-94
license gets lost in mail ??-??-??
postal service has no clue ??-??-??
I request duplicate license 07-21-94
I receive duplicate license ??-??-??

Why does it all have to happen to me?????

--jesse
KC5HBY/AE

too bad I don't have the hard copy yet!!!
waiting. . .

Date: 20 Jul 1994 21:52:00 GMT
From: library.ucla.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!isclient.merit.edu!msuinfo!netnews.upenn.edu!
news.amherst.edu!news.mtholyoke.edu!@@ihnp4.ucsd.edu
Subject: NEED/WANT your Opinion
To: info-hams@ucsd.edu

I am thinking buying protable mag/winow mount along w/ 2m/440 dual band
antenna. I checked w/ AES catalog here are what I came up w/

I have to decide which one to buy soon. I would appreciated any put on
the items listed below and suggestion on other products and place to buy
to save some \$\$\$\$.

AM-101B Rubber Duck window Mount 24.95 p.123
RD-78 23.90 p125 ANLI
RD-8000 37.90 Switchable to telescope
CM-1 18.95
WA-1 19.95 antenna mount
KD4-2/70 \$26.65 antenna 8" p141
Model 77-BNC Pro.am 23.90 p.143
RF Products
199-416 mag mount 17.95 p.150

page # is refer to the # on summer 94 catalog

thnx
tatsuya

Date: 20 Jul 1994 16:29:36 GMT
From: ihnp4.ucsd.edu!swrinde!elroy.jpl.nasa.gov!news.aero.org!news2.aero.org!
greenberg-t.aero.org!user@network.ucsd.edu
Subject: New England Repeaters
To: info-hams@ucsd.edu

If possible, could someone with a list of 2 meter and 220 mhz repeaters in
the Boston and Cape Cod areas please post this info here or by e-mail.
Thanks for reading this and the help.

73 de Steve, WA6TAF
e-mail: greenberg@aerospace.aero.org

Date: 20 Jul 1994 23:24:59 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!isclient.merit.edu!
msuinfo!netnews.upenn.edu!netnews.upenn.edu!yee@network.ucsd.edu
Subject: New England Repeaters
To: info-hams@ucsd.edu

The Universal and Free List of Repeaters for Radio Amateurs has New
England data. Available from mipg.upenn.edu:/pub/yee/rptr010.Z

The more complete version 0.03 can not be distributed any longer due
to legal concerns.

--
Medical Image Processing Group | 73 de Conway Yee, N2JWQ
411 Blockley Hall | EMAIL : yee@mipg.upenn.edu
423 Guardian Drive | TELEPHONE : 1 (215) 662-6780
Philadelphia, PA 19104-6021 (USA) | FAX : 1 (215) 898-9145

Date: 21 Jul 1994 11:25:03 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!newsserver.jvnc.net!
netnews.upenn.edu!cronkite.ocis.temple.edu!astro.ocis.temple.edu!

jimkelly@network.ucsd.edu
Subject: QST on News Stands?
To: info-hams@ucsd.edu

Larry CONTRACTOR Keith Mr. (lakeith@robins.af.mil) wrote:

: Has anyone seen QST for sale at a news stand or other magazine outlet?

```
: I am curious to see if it will sell.. CQ and 73 are usually available
: at the book store, here. But, I have yet to see QST..
```

: 73,

: Larry, KQ4BY

— —

```

Jim Kelly, Amateur Radio Licensee KK3K (jimkelly@astro.ocis.temple.edu)
M.A. Candidate - Political Science - Temple University
President - Lambda Amateur Radio Club for Sexual Minorities
Standard Disclaimers Apply - LARC info: (215) 978 - LARC
*****

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Date: Wed, 20 Jul 1994 22:31:54 GMT
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!csusac!
csus.edu!netcom.com!slay@network.ucsd.edu
Subject: ROHN tower info, please
To: info-hams@ucsd.edu

I am looking for any or all of the following general and specific information:

- 1) Street address, telephone, fax, and/or email for ROHN Towers.
- 2) Specific info on the HD 3-5-54G tower.
Is it a crank-up, fold-over, guyed or freestanding tower?
Is a bracket mount to the house required?
I presume it is 54ft, but do not know for sure.
- 3) Any idea if Rohn still makes this beast?
- 4) Is it likely that Rohn makes an updated version which may use the same concrete mounting?
- 5) Is it "unusual" that the triangle formation of the mounting bracket/bolts for Rohn towers are NOT equilateral triangles?
The concrete base I am looking at has a base width of the tower

appearing to be approx 21" although the distance to the apex
of the triangle base seems to be approx 24" or so. So, perhaps
it was a fold-over mounting bracket? hmmm

My reason for asking is that I am about to purchase a home built by
a Ham (now Silent Key), and if possible, I'd like to obtain the same
sort of tower or at least one that can use the same concrete
base.

Thanks and 73
Sandy WA6BXH
slay@netcom.com WA6BXH@N0ARY.#NOCAL.CA.USA

Date: 20 Jul 1994 22:47:55 GMT
From: ihnp4.ucsd.edu!swrinde!elroy.jpl.nasa.gov!news.aero.org!sparky1.aero.org!
cantrell@network.ucsd.edu
Subject: Sister-in-law gets license quickly
To: info-hams@ucsd.edu

In article <Ct90yn.D8M@ra.nrl.navy.mil>, drumhell@claudette.nrl.navy.mil (David
Drumheller) writes:

|> My sister-in-law just received her license. Callsign: N3SYE. She
|> passed her exam on 27 May, and the license arrived in the mail on 20 July.
|> That's a 54 day delay (about eight weeks).

|>
|> Given the recent posts claiming 17 week delays, this was very quick.

|> Anybody know why?

|>

|> Dave

|> --

|> David Drumheller, KA3QBQ phone: (202) 767-3524

|> Acoustics Division, Code 7140 fax: (202) 404-7732

|> Naval Research Laboratory

|> Washington, DC 20375-5350 e-mail: drumhell@claudette.nrl.navy.mil

^^^^^^^^^^

Maybe she has relatives in Washington! :-)

Yours,
cantrell WA2VXU

Date: 21 Jul 1994 06:11:59 -0600
From: mnemosyne.cs.du.edu!nyx10.cs.du.edu!not-for-mail@uunet.uu.net
To: info-hams@ucsd.edu

References <307uge\$rc@charm.magnus.acs.ohio-state.edu>,
<qo6NPc3w165w@earltdom.sacbbx.com>,
<JCMILLER.94Jul20164707@turquoise.usafa.af.mil>fi
Subject : Re: Deciphering Motorola (was: Re: 70cm band)

In article <JCMILLER.94Jul20164707@turquoise.usafa.af.mil>,
Jeff Miller, Homer Simpson's alter ego <jcmiller@turquoise.usafa.af.mil> wrote:
>More importantly, how do I decode the
>alphanumeric codes to figure out what band a particular Motorola rig I
>might run across at a hamfest covers?

Simple (incomplete) guide:

U44MHT1100A

```
|||||+++++--- Features present on radio; varies by series.
|||||+----- Power source
|||||+----- Transmitter series within radio model
|||+----- Receiver series within model
||+----- Band (1=25-50,2=66-88,3=136-174,4=420-512,5=800-950)
|+----- Output power level (generally 1=<1W,2=2-5W,3=5-25W,4=25-40W,
|                                     5=40-70W,6=70-90W,7=90-120W; varies by band)
+----- Mounting method (commonly U=universal,D=dash,T=trunk,H=handheld)
```

The power levels are from memory and are approximate. Note that the only indication of frequency range within each band is in the feature code; you're best off asking what frequency the radio is on, or looking at a channel element, or maybe finding a stamped marking somewhere on the radio, before you buy.

--

Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@admin5.hsc.uth.tmc.edu | adequately be explained by stupidity.

"From now on, when someone asks you where you're from, you tell 'em
'Houston, city of champions!'" -- Rudy Tomjanovich

Date: 21 Jul 1994 20:08:44 GMT
From: nothing.ucsd.edu!brian@network.ucsd.edu
To: info-hams@ucsd.edu

References <307uge\$rc@charm.magnus.acs.ohio-state.edu>,
<qo6NPc3w165w@earltdom.sacbbx.com>, <JCMILLER.94Jul20164707@turquoise.usafa.af.mil>
Subject : Re: Deciphering Motorola (was: Re: 70cm band)

jcmiller@turquoise.usafa.af.mil (Jeff Miller, Homer Simpson's alter ego) writes:
>More importantly, how do I decode the
>alphanumeric codes to figure out what band a particular Motorola rig I

>might run across at a hamfest covers?

Moto uses a simple code for most of the radios you're going to see at the swapmeet. Here's a typical one to decode:

T74RTN-3100A

T - trunk mount (i.e., separate control head)
7 - 150-200 watts input power (typically 100w out)
4 - band 4 = 406-512 MHz (or some part of that range)
R - receiver model R
T - transmitter model T
N - power supply is the vehicle or battery

3 - PL (CTCSS encode/squelch)
1 - single freq (not always, could be other options)
00 - no special options

Most important to hams, I would guess, are the power and band designators. These are from memory; I don't recall all of them.

Power

0 - no tx (receiver only)
2 - 2-5 watts out
3 - 20-30 watts out
5 - 50 watts out
7 - 100 watts out

Band

1 - 30-50 MHz (usually in 3 separate ranges, only H or HH range will easily make it into the 6m ham band.)
2 - 75 MHz
3 - 136-174 (usually in two ranges, 136-150, 148-174)
4 - 406-512 (three ranges, 406-420, 450-470, 470-512)

For a full list, consult older Motorola books. Newer models have more letters and numbers and are similar to this scheme, but more options are available so the system got more complex.

P.S. I recommend avoiding MICOR mobiles as repeaters these days. They are quite wasteful of power, and you can't get many replacement parts anymore. Use a MITREK.

- Brian

End of Info-Hams Digest V94 #823
